UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET, S.W.
ATLANTA, GEORGIA 30303-8960

January 25, 2018

Town of Davidson
c/o Jamie Justice
P.O. Box 579
Davidson, North Carolina 28036

SUBJ: EPA Asbestos Removal at 215 Crane Street

Dear Mr. Justice:

Enclosed, you will find the Removal Action Status Report for the property located at 215 Crane Street in Davidson, North Carolina. The report summarizes information regarding the original asbestos sampling, a description of the Removal Action conducted on the property, a summary of multimedia sampling results, details on the restoration of the property and the timeframe of the Removal Action. We have also included a figure of the removal area and the air sampling locations, a table of the air sampling results and photographs of the removal activities.

The removal activities have been completed and there are no further actions needed on the above-mentioned property. If you have any questions or need further information, please do not hesitate to contact Jordan Garrard, US EPA, Federal On-Scene Coordinator directly at (678) 644-8648, via email: garrard.jordan@epa.gov or myself directly at (678) 575-8132, via email: miller.angela@epa.gov, at any time.

It was such a pleasure working with you and your community. Thank you for your cooperation and patience throughout the removal activities.

Sincerely,

Angela R. Miller, US EPA
Community Involvement Coordinator

Enclosure(s)

cc: Jordan Garrard, US EPA, Federal On-Scene Coordinator
Miguel Alvalle, NC DEQ

REMOVAL ACTION STATUS REPORT
DAVIDSON ASBESTOS

Property Address: 215 Crane Street, Davidson, Mecklenburg County, North Carolina

Original Asbestos Sampling Information: Surface soil samples were collected at a depth of 0 to 3 inches below ground surface (bgs) and subsurface soil samples were collected at a depth of 3 to 6 inches bgs. Analytical results are reported in increments of 0.25 percent asbestos. Those samples with analytical results reported as "trace" (less than 0.25 percent asbestos) were further analyzed by fluidized bed analysis and reported in soil concentrations of phase contrast microcopy equivalent (PCME) structures per gram (s/g) of soil.

Property Address	Area Sampled	Surface Soil Results (percent asbestos) 0-3 inches deep	Subsurface Soil Results (percent asbestos) 3-6 inches deep
215 Crane Street	Northeast Side	0.25	No Asbestos Detected
	Southwest Side	0.0 s/g	No Asbestos Detected

Description of Removal Action: The soil was excavated to an approximate maximum depth in the following areas: open area to 12 inches and tree line areas to 3 inches; and small area at the southeastern end of Crane Street to 3 inches (see Appendix 1). Visual inspections of the areas excavated for asbestos-containing materials (ACM) were conducted by a State of North Carolina-accredited asbestos inspector and air monitor. Additional removal was conducted in those areas where ACM were still visibly present. Once ACM was no longer visibly present, restoration of the excavated areas was allowed to commence.

Summary of Multimedia Sampling Results: Perimeter air sampling was conducted at three stationary locations during removal activities on June 26, 2017. Air sampling was conducted at these locations based on wind direction and removal activities. The analytical results were less than the limit of detection and ranged from less than 0.00067 fibers per cubic centimeter (f/cc) to less than 0.0023 f/cc (See Appendix 2). A 10-point composite soil sample was collected from the excavated areas before restoration began and the analytical result indicated no asbestos detected.

Perimeter air and composite soil samples were collected by a State of North Carolina-accredited air monitor with oversight from a State of North Carolina-accredited supervising air monitor (SAM).

Restoration of Property: Restoration work included installation of snow fencing on top of the subsurface of the excavated areas, backfill, and rock in all of the excavated areas. All areas were restored to the original height of the surrounding grade.

Time Frame of Removal Action: Removal activities began on June 26, 2017, and were completed on June 27, 2017.

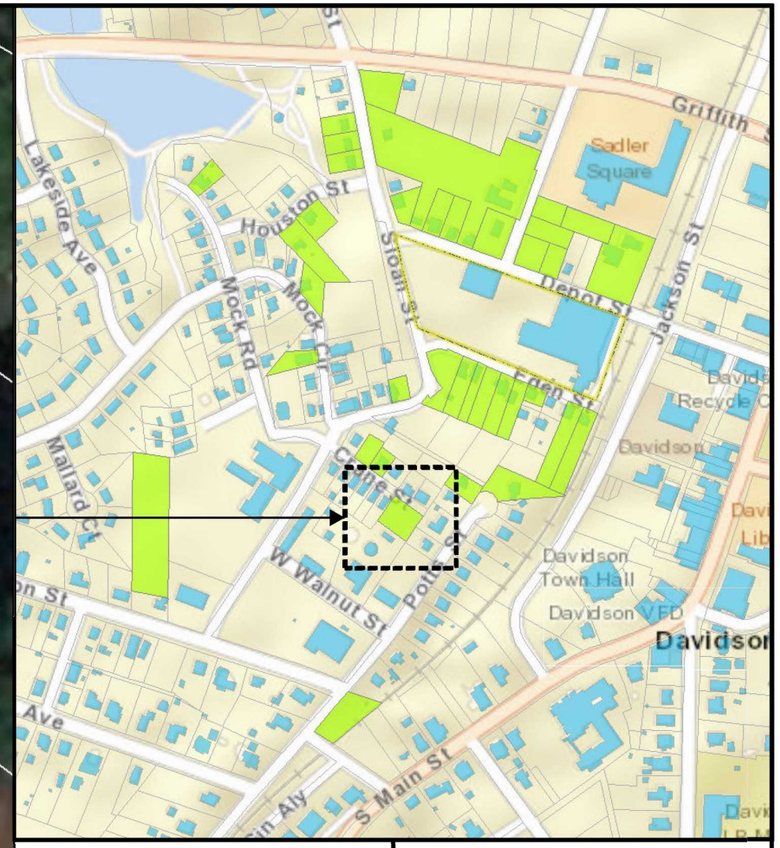
Appendices to this report include:

1. Figure of removal area and air sampling locations
2. Table of air sampling results
3. Photographic log of removal activities

APPENDIX 1

FIGURE

(One Page)



Legend

- Air Sample
- Removal Area
- Parcel Boundary
- Approximate Site Boundary

Inset Map

- *Parcels with Removal Activities*
- Building/Structure

215 Crane Street

N
W E
S

0 25 50
Feet

Map Sources:
Aerial Imagery, Bing Maps, 2012-2014;
Parcels, http://maps.co.mecklenburg.nc.us

United States Environmental Protection Agency Region 4

FIGURE 1

Removal Areas and
Air Sampling Locations

TDD Name: Davidson Asbestos

TDD No.: TT-01-071

City:	**County:**	**State:**
Davidson	Mecklenburg	North Carolina

TETRA TECH

Date: 9/21/2017

Analyst: dale.vonbusch

File: C:\TT-01-071_Davidson_Asbestos\mxd\acm_working_mapbook_v3.mxd

APPENDIX 2

SUMMARY TABLE OF ANALYTICAL RESULTS

(One Page)

TABLE 1
TRANSMISSION ELECTRON MICROSCOPY RESULTS
DAVIDSON ASBESTOS
DAVIDSON, MECKLENBURG COUNTY, NORTH CAROLINA

Sample Id	Location	T	Pump No.	Time Start	Time Stop	Total (Min)	Pump Flow Rate (lpm)			Total Sample Volume (l)	PCM Results (f/cc)	Asbestos Fibers Detected	TEM Results in PCME (f/cc)
							Initial	Final	Average				
DA-215CS-AA-L01-062617	215 Crane Street - Location 1	AA	G6	8:30	15:33	423	9.83	9.57	9.70	4103.1	0.0023	0	<0.0023
DA-215CS-AA-L02-062617	215 Crane Street - Location 2	AA	G1	8:33	15:35	422	9.71	9.49	9.60	4051.2	0.00067	0	<0.00067
DA-215CS-AA-L03-062617	215 Crane Street - Location 3	AA	G5	8:37	15:36	419	9.86	9.62	9.74	4081.1	0.0016	0	<0.0016

Notes:

<: Less than
AA: Area air sampling
CS: Crane Street
DA: Davidson Asbestos
f/cc: Fibers per cubic centimeter
Id: Identification
l: Liters
lpm: Liters per minute
Min: Minutes
PCM: Phase contrast microscopy
PCME: Phase contrast microscopy equivalent
TEM: Transmission electron microscopy

APPENDIX 3

PHOTOGRAPHIC LOG

(Six Pages)

OFFICIAL PHOTOGRAPH NO. 1
U.S. ENVIRONMENTAL PROTECTION AGENCY

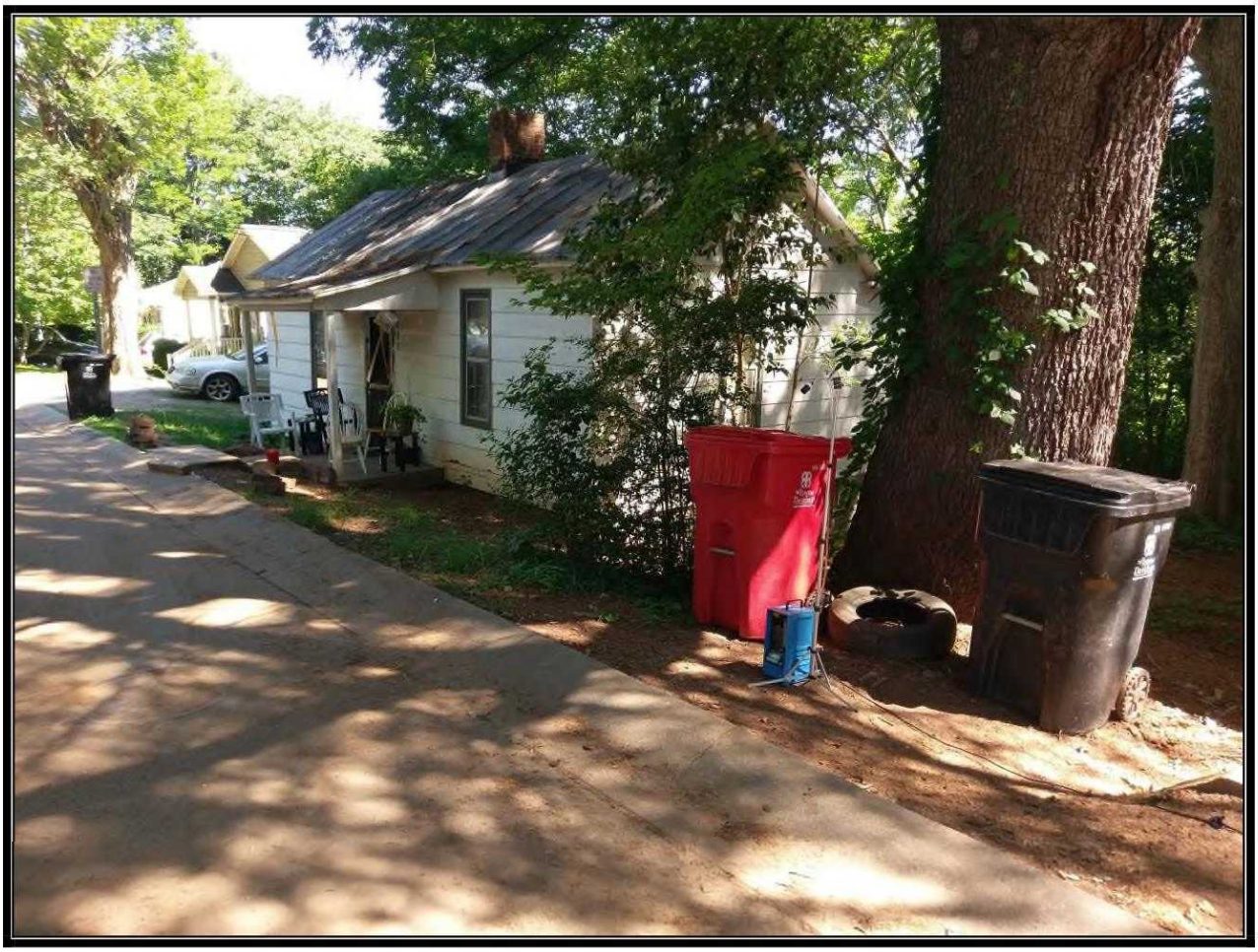
TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	Southwest	**Date:**	June 26, 2017
Photographer:	Paul Prys, Tetra Tech, Inc. (Tetra Tech)	**Witness:**	None

Subject: The Emergency and Rapid Response Services (ERRS) contractor, Environmental Restoration, LLC (ER), used an excavator and hand tools to remove asbestos-containing materials (ACM) and asbestos-contaminated soil from the property located at 215 Crane Street. ER used hoses to wet the asbestos-contaminated soil during removal activities.

OFFICIAL PHOTOGRAPH NO. 2
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	Northeast	**Date:**	June 28, 2017
Photographer:	Paul Prys, Tetra Tech	**Witness:**	None

Subject: ER used an excavator and hand tools to remove ACM and asbestos-contaminated soil from the small area located at the southeastern end of 215 Crane Street. ER used hoses to wet the asbestos-contaminated soil during removal activities.



OFFICIAL PHOTOGRAPH NO. 3
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	Northwest	**Date:**	June 26, 2017
Photographer:	Paul Prys, Tetra Tech	**Witness:**	None

Subject: Perimeter air sampling was conducted by a Tetra Tech START, State of North Carolina-accredited air monitor, to evaluate the effectiveness of engineering and safety controls in preventing the off-site migration of asbestos fibers during removal activities.

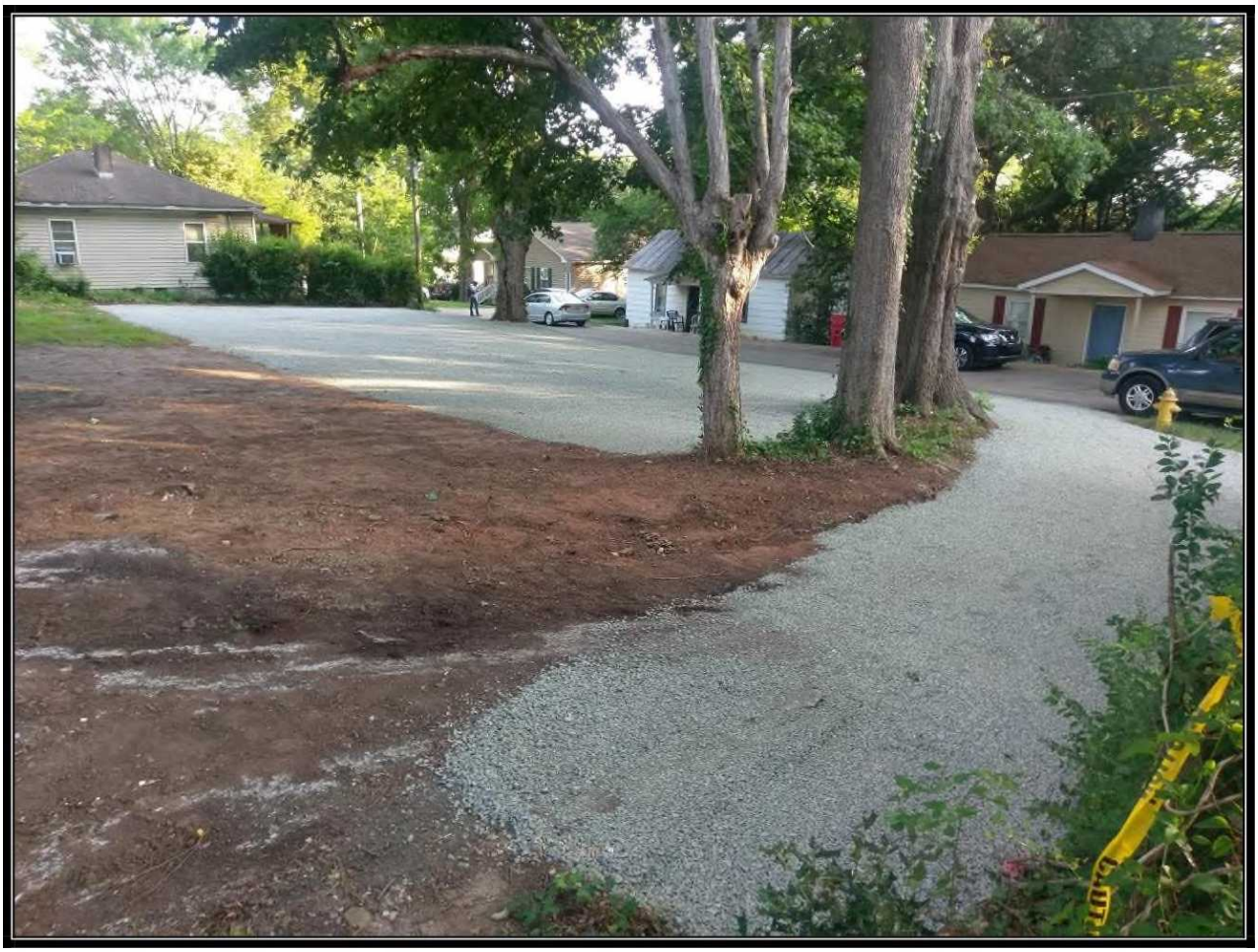
OFFICIAL PHOTOGRAPH NO. 4
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	Southeast	**Date:**	June 26, 2017
Photographer:	Paul Prys, Tetra Tech	**Witness:**	None

Subject: ER installed snow fencing along the subsurface of the excavated areas after the visual inspection conducted by Tetra Tech START, State of North Carolina-accredited asbestos inspector and air monitor, detected no visible ACM in the excavated area.

OFFICIAL PHOTOGRAPH NO. 5
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	South	**Date:**	June 27, 2017
Photographer:	Paul Prys, Tetra Tech	**Witness:**	None
Subject:	ER used dump trucks and skid steers to install backfill in the excavated areas.		



OFFICIAL PHOTOGRAPH NO. 6
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	Northwest	**Date:**	June 29, 2017
Photographer:	Paul Prys, Tetra Tech	**Witness:**	None
Subject:	ER installed rock in the excavated areas after backfill installation was completed.		